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Substitute for form 1449A/PTO		Complete If Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	10/039,774
		Filing Date	November 9, 2001
		First Named Inventor	Wang
		Art Unit	3728
		Examiner Name	Johnson
Sheet	1	of	1
		Attorney Docket Number	RID 01058

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. **1** Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.  
**3** Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. **4** Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE  
CITATION

Sheet 1 of 5



Attorney Docket No.  
RID 01058 (03259-00018)

Serial No.  
TBA

10/039,774

Applicant: Ting Wang, et al

Filing Date: November 9, 2001

Group: 378

U.S. PATENT DOCUMENTS

Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
JP	AA	1,611,278	12/21/26	Petersen	—	—	09/26/22
JP	AB	1,846,820	02/23/32	Darling et al.	—	—	
	AC	2,769,795	11/06/56	Braendle	260	41.5	02/01/56
	AD	3,048,559	08/1962	Heller et al.	260	33	12/10/58
	AE	3,108,982	10/1963	Barclay	523	334	04/15/60
	AF	3,335,200	08/1967	Thorn	523	333	12/04/63
	AG	3,403,121	09/24/68	Hare	260	33.6	07/17/64
	AH	3,767,605	10/23/73	Gerlicher	260	23.7	08/13/69
	AI	3,494,740	02/10/70	Speck	23	209.4	07/01/68
	AJ	4,064,093	12/20/77	Dalton et al.	260	29.7	09/22/76
	AK	4,213,957	07/22/80	Hunt et al.	423	450	12/11/78
	AL	4,299,952	11/10/81	Pingel et al.	528	500	03/24/80
	AM	4,542,992	09/24/85	Markhart	366	300	10/17/84
	AN	4,552,725	11/12/85	Audeh	422	140	02/07/83
	AO	4,643,890	02/17/87	Schramm	423	659	09/05/84
	AP	5,009,849	04/23/91	Ebner et al.	422	83	06/28/89
	AQ	5,119,927	06/09/92	Bruggemann	198	847	05/03/91
JP	AR	5,472,928	12/05/95	Scheuerman et al.	502	305	04/29/94
JP	AS	5,733,440	03/31/98	Stangeland et al.	208	148	11/14/96

## FOREIGN PATENT DOCUMENTS Sheet 2 of 5

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Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
						YES	NO
JJ	AT EP 0,051,450	05/12/82	EPO				
JJ	AU EP 0,287,392 A3	10/19/88	EPO				
	AV EP 0,570,715 A1	11/24/93	EPO				
	AW EP 0,620,250 A1	10/19/94	EPO				
	AX EP 0,763,558 A1	03/19/97	EPO				
	AY DE 1,063,364	08/13/59	Germany				
	AZ GB 705,334	03/10/54	UK				
	BA EP 028,743	08/17/88	EPO				
	BB EP 028,138	10/19/88	EPO				
	BC EP 0 42,3759	04/24/91	EPO				
	BD JP 570,533,40	03/30/82	Japan				
	BE WO 96/37547	11/28/96	PCT				
JJ	BF WO 97,36724	10/09/97	PCT				
JJ	BG WO 99/16600	04/08/99	PCT				

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

JJ	BH	"Functionalization of Elastomers by Reactive Mixing," The Malaysian Rubber Producers' Research Association, The Common Fund for Commodities, pp. 308-312 (1994)
JJ	BI	Wahab et al., "Natural Rubber Carbon Black Masterbatches from Field Latex," Proc. NR Technology Seminar, Rubber Research Institute of Malaysia, pp. 29-31 (1978)
JJ	BJ	Abstract of Japanese patent no. JP 57 053340, Patent Abstract of Japan, 6(126)(M-142) (Bridgestone Corp.) (1982)

EXAMINER

JJ

Jim Foster  
Primary Examiner

DATE CONSIDERED

6/12/03

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\*\*Copies of references not provided at the time of this submission.

<p>USPTO Form 1449 U.S. Department of Commerce Patent and Trademark Office</p> <p><b>INFORMATION DISCLOSURE CITATION</b></p> <p>Sheet 3 of 5</p>				Attorney Docket No. <b>RID 01058 (03259-00018)</b>		Serial No. <b>TBA 10/039,774</b>	
				Applicant: <b>Ting Wang, et al</b>			
				Filing Date: <b>November 9, 2001</b>		Group <b>3728</b>	
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
<i>JF</i>	BK	<b>3,887,532</b>	<b>06/03/75</b>	<b>Neubert</b>	<b>260</b>	<b>85.1</b>	<b>02/15/73</b>
<i>JF</i>	BL	<b>4,025,711</b>	<b>05/24/77</b>	<b>Davidson et al.</b>	<b>528</b>	<b>488</b>	<b>03/08/76</b>
	BM	<b>4,029,633</b>	<b>06/14/77</b>	<b>Hagopian et al.</b>	<b>260</b>	<b>42.55</b>	<b>04/14/76</b>
	BN	<b>4,103,074</b>	<b>07/25/78</b>	<b>Hertel et al.</b>	<b>528</b>	<b>487</b>	<b>11/15/76</b>
	BO	<b>4,124,550</b>	<b>11/07/78</b>	<b>Kobayashi et al.</b>	<b>260</b>	<b>23.3</b>	<b>06/17/76</b>
	BP	<b>4,265,939</b>	<b>05/05/81</b>	<b>Tebbens et al.</b>	<b>427</b>	<b>222</b>	<b>12/05/79</b>
<i>JF</i>	BQ	<b>4,302,377</b>	<b>11/24/81</b>	<b>Gurak et al.</b>	<b>528</b>	<b>487</b>	<b>12/05/79</b>
<i>JF</i>	BR	<b>4,303,569</b>	<b>12/01/81</b>	<b>Gürak et al.</b>	<b>260</b>	<b>29.7</b>	<b>12/05/79</b>
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation
							YES
<i>JF</i>	BS	<b>DE 1,620,918</b>	<b>03/09/72</b>	<b>Germany</b>			
<i>JF</i>	BT	<b>GB 705,344</b>	<b>03/10/54</b>	<b>Great Britain</b>			
<i>JF</i>	BU	<b>CH 581,493</b>	<b>11/15/76</b>	<b>Switzerland</b>			
<i>JF</i>	BV	<b>WO 97/36724A2/A3</b>	<b>10/09/97</b>	<b>PCT</b>			
<b>OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)</b>							
<i>JF</i>	BW	<b>Abstract of Japanese patent no. JP 52 62918, Patent Abstract of Japan, 18(32)(C - 1154) (Yokohama Rubber Co.) (1992)</b>					
<i>JF</i>	CA	<b>Communication relating to the results of the Partial International Search, PCT/US97/05276, 2 pages w/ attached Patent Family Annex (2 pages).</b>					
EXAMINER <i>JF</i>				Jim Foster Primary Examiner		DATE CONSIDERED <i>6/12/03</i>	
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.</p> <p>**Copies of references not provided at the time of this submission.</p>							

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CITATION**

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Attorney Docket No.  
RID 01058 (03259-00018)

Serial No.  
TBA 10/039,774

Applicant: Ting Wang, et al

Filing Date: November 9, 2001

Group: 3728

**U.S. PATENT DOCUMENTS**

Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
JF	CB	4,375,497	03/01/83	Sandstrom	428	407	08/27/81
JF	CC	4,446,309	05/01/84	Jiroumaru et al.	528	486	02/23/82
	CD	4,456,381	06/26/84	Inoue et al.	366	97	02/17/81
	CE	4,718,771	01/12/88	Asai et al.	366	97	08/15/86
	CF	4,744,744	05/17/88	Sugimori et al.	425	464	03/22/84
	CG	4,914,186	04/03/90	Miss et al.	528	500	04/12/88
↓	CH	4,917,211	04/17/90	Yamada et al.	181	0.5	12/21/88
JF	CI	4,917,501	04/17/90	Simonet	366	99	06/05/89

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)**

JF	CJ	"Continuous Mixers for the Polymer Industry," Farrel Corporation bulletin no. 234-B (1993)
JF	CK	"CP-Series II™ Compact Processor," Farrel Corporation bulletin no. 262-C (1995)
JF	CL	Written Opinion mailed Jan. 13, 1998 for PCT/US97/05267

EXAMINER

Jim Foster  
Primary Examiner

DATE CONSIDERED

6/12/03

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INFORMATION DISCLOSURE  
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Attorney Docket No.  
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U.S. PATENT DOCUMENTS

Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
JZ	DA	5,047,287	09/10/91	Horiuchi et al.	428	248	12/27/88
↑	DB	5,119,227	06/02/92	Dawson et al.	359	244	09/23/91
	DC	5,205,972	04/27/93	Kafka	264	101	10/28/91
	DD	5,227,425	07/13/93	Rauline	524	493	02/20/92
	DE	5,264,290	11/23/93	Touchet et al.	428	492	03/04/92
	DF	5,328,949	07/12/94	Sandstrom et al.	524	262	12/02/93
	DG	5,430,088	07/04/95	Ohashi et al.	524	496	01/28/94
	DH	5,516,833	05/14/96	Ohashi et al.	524	495	10/22/93
	DI	5,558,316	09/24/96	Lee et al.	267	140.12	10/03/95
	DJ	5,599,868	02/04/97	Bohm et al.	524	495	04/19/94
Y	DK	5,639,817	06/17/97	Probst et al.	524	496	03/03/94
JZ	DL	5,658,657	08/19/97	Tomizawa et al.	428	323	05/26/95

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)


EXAMINER *JZ* Jim Foster  
Primary Examiner

DATE CONSIDERED  
*6/12/03*

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